

ABSTRACT

A polyimide film having a biaxial optical anisotropy and excellent durability is provided.

5 A solution of polyimide having an imidization ratio of 98% to 100% is applied onto a plastic base, and then the solution is dried, thus forming a polyimide coating. Subsequently, the polyimide coating is stretched together with the plastic base so as to satisfy $nx > ny > nz$, wherein nx and ny indicate a refractive index in a direction exhibiting a maximum refractive index
10 within a plane and that in a direction perpendicular thereto and nz indicates a refractive index in a thickness direction. As the polyimide, a fluorine-based polyimide is preferable because of its excellent light transmittance and solubility, and the polyimide preferably has a weight-average molecular weight of 50000 to 180000. It is also preferable
15 that a solvent of the polyimide solution has a solubility parameter ranging from 17 to 22 under a measurement condition of a pressure of 1 atmosphere and an atmospheric temperature of 25°C.